

**Training Sponsor:** Kentucky Rural Water Association  
**Session Title:** Continuing Education for Water Operators-West Liberty  
**Date:** November 28-29, 2023  
**Location:** Commercial Bank, West Liberty, Kentucky

**Learning Objectives:**

The objective is to introduce and explain the water methods that will assure a quality product and improve operation of water systems. Operators will learn how to develop and implement procedures to produce and deliver a quality product and maintain compliance with new regulatory requirements.

**Criteria for Training Credits**

Operators will be granted credit for actual time attending or participating in the training session. Six (6) hours of continuing education credits will be offered each day. The maximum number of training credit hours for this two-day course will be twelve (12) hours for water operators.

**TRAINING SUMMARY/TIMED AGENDA**

**DAY ONE: Tuesday, November 28, 2023**

**8:30 a.m. – 10:30 a.m.**

**Session 1:** Metering Technology  
**Presenter:** Tim Bailey, Consolidated Pipe & Supply  
**Core Content:** G11 – Metering

This session will cover various technologies for reading meters, as well as meter designs which are on the market, such as integration into SCADA and other new developments. Presenter will explain the types of meters used for different applications such as water treatment, residential, commercial, fire service, etc.

**10:30 a.m.– 12:30 p.m.**

**Session 2:** Pipeline Materials, Pipe Repair, Coupling, and Restraining Methods for Water Mains  
**Presenter:** Joshua Nuzzo, Smith-Blair, Inc.  
**Core Content:** G4 Distribution Systems

This session will cover some basic information concerning pressurized pipelines. Topics will include choosing the proper pipe for the specific application, pipe size, pipe materials, and how to choose the best pipe for the task. Presenter will also address dealing with pipe coupling types and their usage, restraining pressurized water mains, repairing water mains, valve insertions, tapping, etc.

**12:30 p.m. – 1:30 p.m. LNCH ON YOUR OWN**

**1:30 p.m. – 3:30 p.m.**

**Session 3:** Cybersecurity for Utilities  
**Presenter:** Matthew Folker, ISTT  
**Core Content:** H5 - (Emergency Response Planning and Security Training)

This session will be a general overview of cybersecurity for water utilities. Covered will be new trends in cybersecurity as well as recent cyber security issues encountered by utilities. Presenter will address the America's Water Infrastructure Act and how cybersecurity should be part of both a utility's Risk and Resilience Assessment and their Emergency Response Plan. Information regarding federal funding utilities may access to improve their cybersecurity will also be provided.

**DAY TWO: Wednesday, November 29, 2030**

**8:30 a.m. – 10:30 a.m.**

**Session 4:** Call Before You Dig: Kentucky 811  
**Presenter:** Patrick Donoghue, Kentucky 811  
**Core Content:** B7 (Excavations, excavation equipment, trenching/shoring/competent person)

“Call Before You Dig” was created to provide a nationwide, easily accessible resource when you are digging. This session will cover Kentucky's 811 law and how it impacts operators.

10:30 a.m. – 12:30 p.m.

Session 5: Water Analysis

Presenter: Bobby Young, Hach Company

**Core Content: F35 – Sampling and Lab Analysis**

This session will cover analyses typically performed by water operators. Topics will include the methods for running the analyses, how the analytical equipment operates, calibrations, and steps involved for completion of the analyses. Presenter will also address new technologies for water utilities such as measuring turbidity.

12:30 p.m. – 1:30 p.m. LNCH ON YOUR OWN

1:30 p.m. – 3:30 p.m.

Session 6: Regulatory Update

Presenter: Arianna Lageman, Kentucky Rural Water Association

**Core Content: H18 – Regs (CWA/SDWA, State & Local such as Operator Certification Requirements), NPDES Permit Requirements, Compliance**

This session will cover a variety of regulatory updates. Topics will include new PFAS regulations, the latest on the Revised Lead and Copper Rule, updates to the CCR rule, and other topics concerning state and federal regulations.

## SPEAKER BIOS

**Tim Bailey** has been with Consolidated Pipe and Supply since August, 2021. Tim Bailey earned a Bachelor's Degree from Georgetown College in Biology. He has 25 years of work experience with numerous other companies in technical sales, regional and national sales, branch management and corporate account management.

**Joshua Nuzzo** is the Territory Manager for Smith-Blair, Inc. Joshua grew up in Loveland, OH, where he graduated from Milford High School and Live Oaks Vocational School with a certificate in Construction Technologies and worked for a Dayton-based contractor specializing in building and remodeling treatment plants. After five years in the construction industry, Joshua left Ohio to serve as a mass communication specialist in the World's finest Navy. Upon completing his service with the Navy, Joshua took a position at a post-secondary career college in Virginia Beach, where he taught HVAC, welding, and auto trades to adult students for 11 years. Joshua took the opportunity with Smith-Blair as Territory Manager for the Midwest in July of 2020. He completed his undergraduate Bachelor of Science summa cum laude in Management Information Systems with a Concentration in I.T. Management at Southern New Hampshire University (SNHU) as a member of two honor societies; The National Society of Leadership and Success and Alpha Sigma Lambda. He is currently pursuing his MBA with William & Mary's Raymond A. Mason School of Business.

**Matt Folker** is the Chief Information Officer for ISTT, Inc. For the last 12 years, he has been working with businesses and government agencies in education, training and empowering others with the tools needed to keep personal data safe and the knowledge to keep cyber criminals out. His passion is to keep the state of Kentucky informed on the current regulations and technologies available to keep business moving forward.

**Patrick Donoghue** is a Public Awareness and Damage Prevention Manager for Kentucky 811. In this role he serves as a liaison for members, non-members, the one call center, excavators, contractors, locators, and homeowners. Additionally, Patrick focuses on education and outreach, providing training sessions, presentations, and attending community events to educate people on the dig laws. Prior to joining Kentucky 811, Patrick spent time as a high school substitute teacher and has over 17 years of experience in law enforcement where he served as a patrol officer, training officer, school resource officer, and a member of his agency's professional standards division and training unit.

**Bobby Young** is the Regional Sales Manager (Kentucky) for Hach Company. Bobby graduated from Thomas Moore College in 1987 with a BA in Business Administration. Previous sales experience includes his association with HD Supply (now Core & Main), Neenah Foundry Company and C. I. Thornburg Company.

**Arianna Lageman** joined the Kentucky Rural Water Association (KRWA) staff as a Compliance Specialist in July, 2016. Prior to working for KRWA, Arianna worked most recently as the Lexington Laboratory Manager for McCoy & McCoy Laboratories, Inc. She has also worked for the Kentucky Division of Water as an auditor in the Laboratory Certification program and as a Compliance Manager for the Drinking Water Compliance and Technical Assistance Branch. Arianna earned a Bachelor of Arts in Spanish Language and Literature from Hanover College as well as a Bachelor of Science in Geology from Northern Kentucky University. She concentrated on hydrogeology and coastal processes while working on a Master of Science in Geology at East Carolina University. As a Compliance Specialist, Arianna focuses on providing KRWA members assistance through the Compliance Check Program and through various training opportunities.